

The claims, with status identifiers are as follows:

Claim 1 (Currently Amended): A microtome for the production of tissue sections in histology, in which an object to be sectioned is passed past a stationary knife for production of tissue sections, comprising:
a disk-shaped knife, which has the shape of a regular polygon, with edges that comprise cutting edges, and
a knife holder with a knife receiver for arresting and positioning said disk-shaped knife, wherein said knife is received in said knife receiver, and,
wherein said knife receiver has a shaft about which said knife is rotatable and, whereby by rotation of said knife about said shaft various ones of said cutting edges can be brought into a position to cut said object, and
wherein said knife holder has a depression in which said knife is received and for protection of said cutting edges, with an opening that serves for working use of one of said cutting edges.

Claim 2 (Cancelled): ~~The microtome according to Claim 1, wherein said knife holder has a depression in which said knife is received and for protection of said cutting edges, with an opening that serves for working use of one of said cutting edges.~~

Claim 3 (Previously Amended): The microtome according to Claim 1, wherein said knife receiver comprises a rotatable mounting that mounts said knife in said knife receiver.

Claim 4 (Previously Amended): The microtome according to Claim 3, wherein said rotatable mounting has a positioning element for holding said knife in position, by which positioning element said cutting edges of said knife come into a defined position relative to said mounting.

Claim 5 (Previously Amended): The microtome according to Claim 4, wherein said knife holder has a detent for said shaft that latches said rotatable mounting when one of said cutting edges is situated in a cutting position.

Claim 6 (Previously Amended): The microtome according to Claim 3, wherein said knife receiver has a plane surface wherein the knife is positioned between said plane surface and said rotatable mounting.

Claim 7 (Previously Amended): The microtome according to Claim 1, further comprising a numbering arrangement assigned to said cutting edges of said knife.

Claim 8 (Previously Amended): The microtome according to Claim 1, further comprising a releasable stop for fixing said knife in cutting positions.

Claim 9 (Previously Amended): The microtome according to Claim 1, wherein said knife holder comprises a knife holder housing that is chamfered left and right of a location for said cutting edge when said cutting edge is in a position for use.

Claim 10 (Previously Amended): The microtome according to Claim 1, wherein said knife holder comprises a knife holder housing that is rounded off left and right of a location for said cutting edge when said cutting edge is in a position for use.

Claim 11 (Previously Amended): A microtome for production of tissue sections in histology, in which an object to be sectioned is passed past a stationary knife for production of said tissue sections, wherein said knife is disk-shaped in a shape of a regular polygon, and said knife has edges that are cutting edges.

Claim 12 (Previously Amended): The microtome according to Claim 11, wherein said knife has a bore in its middle for reception of said knife in a knife receiver.

Claim 13 (Previously Amended): The microtome according to Claim 11, wherein said knife has
an engagement for a positioning element of a knife receiver.

Claim 14: (Original) The microtome according to Claim 11, wherein said knife comprises an
octagon shape.